



A COMPLETE SOLUTION OF
DESIGN & FABRICATION WORK



QUALITY

DURABILITY

EFFICIENCY

**PRECISION
ENGINEERED**

**RELIABLE
PERFORMANCE**

**ROBUST
CONSTRUCTION**

**CUSTOMISED
SOLUTIONS**

ENGINEERED TO PERFORM. BUILT TO LAST.

ROTARY AIRLOCK VALVES (RAV)

Precision Flow Control • Efficient Airlock • Continuous Discharge

Jain MEP Rotary Airlock Valves are designed for **controlled bulk material feeding** while maintaining an efficient air seal in pneumatic conveying and material handling systems.

Key Features

- Heavy-duty shaft & rotor assembly
- Precision rotor-to-housing clearances
- Round & square flange options
- Easy-maintenance packing arrangement
- MS & SS construction options
- Continuous and reliable material discharge

Applications

Hoppers • Bins • Cyclones • Bag Filters • Dust Collectors • Silos • Pneumatic Conveying Systems

Product Range

Drop-Thru Series: Standard & dust-duty applications with 6-9 vanes rotor.

Fabricated Heavy Series:- Reinforced construction for heavy-duty industrial applications.

MS Fabricated Rotary Airlock Valve

MS Fabricated Rotary Airlock Valves are designed for **continuous and controlled discharge of bulk materials** while maintaining an effective airlock seal. Fabricated from robust mild-steel construction, they offer **reliable performance, easy maintenance, and suitability for demanding industrial applications**.



SS Rotary Airlock Valve

SS Rotary Airlock Valves are designed for **hygienic and reliable bulk material handling** with efficient air sealing. Stainless-steel construction offers **excellent corrosion resistance, durability, and easy cleaning**, making them suitable for demanding and sensitive applications.



Cast Iron Rotary Airlock Valve

Cast Iron Rotary Airlock Valves are designed for **reliable and continuous handling of bulk materials** while maintaining an effective airlock seal. Their robust construction provides **good wear resistance, durability, and dependable performance** in demanding industrial applications.



BASIC DETAILS REQUIRED FOR MANUFACTURING

To ensure accurate design and manufacturing, please provide us with the following basic details of your requirement.



QUESTIONNAIRE (SQUARE INLET / OUTLET)

INLET & OUTLET SIZE (A x B)

TOTAL HEIGHT

DISCHARGE CAPACITY

MATERIAL TO BE DISCHARGE

HOLE PCD



QUESTIONNAIRE (ROUND INLET / OUTLET)

INLET & OUTLET SIZE (ID)

TOTAL HEIGHT

DISCHARGE CAPACITY

MATERIAL TO BE DISCHARGE

HOLE PCD



ADDITIONAL INFORMATION (IF APPLICABLE):

- Type of Material
- Bulk Density
- Working Temperature
- Application / Usage Details
- Any Special Requirement

ROTARY AIRLOCK

TECHNICAL DATA SHEET

Rotary Airlock Valve is designed for controlled discharge of bulk materials from hoppers, silos, cyclones and dust collection systems. It ensures continuous material flow while maintaining an effective airlock seal and minimizing air leakage in pneumatic conveying systems.



TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION
Material	MS/SS Fabricated
Discharge Capacity	5 to 150 TPH
Filling Factor	As per TPH
Inlet & Outlet Size	Customised
Body Thickness	Customised
Rotor Diameter	Customised
Rotor Length	Customised
Output RPM	Customised
Drive	Thru Coupling / Chain
Vane Thickness	As per TPH
Vane Quantity	As per TPH
Center	As per TPH
Motor Power	As applicable
Drive Motor Make	CGL / ABB / Havells
Gear Box	As applicable
Bearing Size	As applicable

APPLICATION

- Pneumatic conveying systems
- Dust collection systems
- Hopper & silo discharge
- Material feeding

KEY FEATURES

- ✓ Robust fabricated construction (MS/SS)
- ✓ Air-tight sealing to prevent air leakage
- ✓ Smooth operation with minimum wear
- ✓ Suitable for various bulk materials
- ✓ Low maintenance and long service life
- ✓ Custom sizes available on request

Note: Specification & design are subject to change without prior notice.